



ACCELERATED PLAN

Bachelor of Science in Neuroscience (BS) to Master of Science in Neuroscience (MS)

FALL COURSES		CREDITS	SPRING COURSES		CREDITS	SUMMER, TRANSFER AND PRE-CU COURSES		CREDITS
RSP: Intro to Collegiate Life	0.5		RSP: Intro to Collegiate Life	0.5				
Critical Issues	3		Math Reasoning	3				
Composition	3		Philosophy	3				
Oral Communication	1		CHM 205 General Chemistry II	3				
CHM 203 General Chemistry I	3		CHM 206 General Chemistry Lab II	1				
CHM 204 General Chemistry Lab I	1		BIO 202 General Biology II	3				
BIO 201 General Biology I	3		BIO 206 General Biology Lab	1				
BIO 205 General Biology Lab	1		PSY 201 Intro Psychology	3				
TERM SUBTOTAL:	15.5		TERM SUBTOTAL:	17.5				
Christian Tradition	3							
Ethics	1							
BIO 362 Cell Structure and Function**	3		Biblical Traditions	3				
CHM 321 Organic Chemistry I	3		Global Perspectives	3				
CHM 322 Organic Chemistry I Lab	1		BIO 449 Physiology -OR-					
PHY 201 General Physics I	3		PHA 404 Human Physiology***	3				
PHY 205 General Physics Laboratory	1		PHY 202 General Physics II	3				
TERM SUBTOTAL	15		PHY 206 General Physics Laboratory II	1				
			TERM SUBTOTAL:	13				
PHL 424 Philosophy of the Mind Literature	3							
Statistics	3		Fine Art	3				
BIO 462 Neuro Lecture	3		BIO 317 Genetics (recommended)	3				
BIO 463 Neuro Lab	1		CHM 371 Biochemistry (if prehealth)*	3				
TERM SUBTOTAL:	13		Foreign Language	4		PHR 790 Research Rotations	2	
			TERM SUBTOTAL:	13		TERM SUBTOTAL:	2	
Ultimate Questions Intersections	3							
BIO 667 Developmental Biology (3) including lab (1)	4		NES 510 Neurophysiology Lab	2				
IDC 601 Research Conduct	1		BIO 567 Current Topics in Neuroscience	3				
PHR 797 Directed Independent Research	4-5		NES 464 Neuobiology of Disease	3				
TERM SUBTOTAL:	15-16		NES 592 Neuroscience Capstone/Journal Club	1				
			PHR 536 Drug and Drug Targets	3				
PHR 531 Journal Club	1		PHR 797 Directed Independent Research	2		PHR 797 Directed Independent Research	6	
PHR 760 Research Rounds	1		TERM SUBTOTAL:	14		TERM SUBTOTAL:	6	
PHR 791 Research Seminar (can be taken fall OR spring)	1							
PHR 797 Directed Independent Research	5-6		PHR 531 Journal Club	1				
TERM SUBTOTAL:	8-9		PHR 760 Research Rounds	1				
			PHR 791 Research Seminar (can be taken fall OR spring)	1				
			PHR 797 Directed Independent Research	5-6				
			TERM SUBTOTAL:	8-9				

GRAND TOTAL: **156**
 111 Undergraduate + 45 Graduate Credit Hours
 12 credit hours used by both BA and MS Degree



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CORE REQUIREMENTS		CREDITS	COURSES IN MAJOR THAT SATISFY THE CORE REQUIREMENT		MAJOR	CREDITS
MAGIS CORE—FOUNDATIONS						
Composition	3					
Critical Issues*	3					
Oral Communication	1					
Math Reasoning	2					
Philosophical Ideas	3					
Christian Tradition	3					
MAGIS CORE—EXPLORATIONS						
Understanding Natural Science	4	Gen BIO/Gen CHM Courses				
Understanding Social Science	3	PSY 201 Intro Psychology				
Global Perspectives	3					
Literature	3					
Ethics	3					
Biblical Tradition	3					
Fine Arts	3					
Foreign Language	4					
MAGIS CORE—INTEGRATIONS						
Intersections*	3	PHL 404 -OR- PHL 425				
Doing Natural Science	1	Gen BIO/Gen CHM Labs				
Doing Social Science	3	Social Science course				
Ultimate Questions	3	NES/THL 304				
DESIGNATED COURSES						
Oral Communication		NES 592 Neuroscience Senior Seminar				
Written Communication		-AND- BIO 567				
Statistical Reasoning		NES 510 Neurophysiology Lab				
Ethics		Statistics (BIO 411, MTH 360, MTH 361)				
Technology		NES 464, BIO 667, PHL 404, PHL 425				
		BIO 463 Neurobiology Lab				
<p>Masters classes shown in LIGHT BLUE will be taken while an undergraduate student. Masters classes shown in GRAY will be taken while a graduate student.</p> <p>OTHER NOTES This plan is an example of Creighton's Accelerated Bachelor's to Master's program and how one might accomplish this path. Please note, each student will have a unique background and set of circumstances that must be considered in their plan.</p> <p>Electives: All electives are NOT necessarily offered the same semester each year. Students interested in particular electives should make sure that the requirements have been met.</p> <p>Study abroad: May be an option for students BUT they must communicate with their advisor and have any course(s) approved for transfer credit through the director and/or the registrar.</p> <p>*Designated Ethics: Students can take BIO 467/BMS 667, HAP/PHL 404, -or- NES 464 to fulfill course requirement needed for graduation.</p> <p>**Students can choose to take BIO 362 Cell Structure and Function -or- CHM 371 Biochemistry as a required elective course. CHM 371 is highly encouraged if a student is pre-health.</p> <p>***Neuroscience Majors ARE allowed into Physiology and provided overrides for the Junior Standing Restriction in this course. Neuroscience majors can take PHA 404 Human Physiology if granted an override.</p> <p>Human Physiology and Pharmacology courses may follow the graduate academic schedule. These final exams will also follow the graduate schedule.</p>						
PRE-REQUISITE AND SUPPORT COURSES						
BIO 201 Gen Bio:						
Organismal and Population	3					
BIO 202 Gen Bio: Cellular and Molecular						
BIO 205 Gen Bio:						
Organismal and Population Lab	1					
BIO 206 Gen Bio: Cellular and Molecular						
PSY 201 Intro Psychology	3					
CHM 203 General Chemistry I						
CHM 204 General Chemistry I Lab	1					
CHM 205 General Chemistry II -OR-						
CHM 285 Advanced General Chemistry I						
CHM 206 General Chemistry II Lab						
-OR- CHM 286 General Chemistry						
Analysis Lab	1					
CHM 321 Organic Chemistry						
CHM 322 Organic Chemistry Lab	1					
PHY 201 General Physics I						
PHY 205 Physics Lab I	1					
PHY 202 General Physics II						
PHY 206 Physics Lab II	1					
SUBTOTAL						29
CORE REQUIREMENTS						
BIO 201 Gen Bio:						
Organismal and Population	3					
BIO 202 Gen Bio: Cellular and Molecular						
BIO 205 Gen Bio:						
Organismal and Population Lab	1					
BIO 206 Gen Bio: Cellular and Molecular						
PSY 201 Intro Psychology	3					
CHM 203 General Chemistry I						
CHM 204 General Chemistry I Lab	1					
CHM 205 General Chemistry II -OR-						
CHM 285 Advanced General Chemistry I						
CHM 206 General Chemistry II Lab	1					
-OR- CHM 286 General Chemistry						
Analysis Lab	1					
CHM 321 Organic Chemistry						
CHM 322 Organic Chemistry Lab	1					
PHY 201 General Physics I						
PHY 205 Physics Lab I	1					
PHY 202 General Physics II						
PHY 206 Physics Lab II	1					
MAJOR SUBTOTAL						28-29

FOR MORE INFORMATION

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Creighton
UNIVERSITY

Graduate School